

Claims

- Sub 1
1. A plant activator comprising a C₄-C₂₄ ketol fatty acid as an active ingredient.
 2. The plant activator according to claim 1, wherein the C₄-C₂₄ ketol fatty acid contains a carbon atom constituting a carbonyl group and a carbon atom connected to a hydroxyl group, one of the above carbon atoms being located at the α or γ position with respect to the other carbon atom.
 - Sub A1 3. The plant activator according to claim 1 or 2, wherein the C₄-C₂₄ ketol fatty acid contains one to six carbon-carbon double bonds, such that the number of the double bonds does not exceed the number of carbon-carbon bonds in the ketol fatty acid.
 4. The plant activator according to any one of claims 1 through 3, wherein the ketol fatty acid contains 18 carbon atoms, and two carbon-carbon double bonds.
 5. The plant activator according to claim 1, wherein the C₄-C₂₄ ketol fatty acid is 9-hydroxy-10-oxo-12(Z),15(Z)-octadecadienoic acid.
 - Sub A2 6. The plant activator according to any one of claims 1 through 5, which is a plant growth controlling agent.
 7. The plant activator according to claim 6, which is a plant growth promoting agent.
 8. The plant activator according to claim 6, which is a plant dormancy preventive agent.
 9. The plant activator according to claim 6, which is a plant stress suppressive agent.
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